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TITLE: SLOWLY RELEASING METHOD FOR
CALCIUM HYPOCHLORITE
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ABSTRACT:

PURPOSE: To keep the concn. of available

chlorine constant by mixing calcium hypochlorite with an alkali metallic sulfate or an alkaline earth metallic sulfate and tableting the mixture to leach out available chlorine at a constant rate over a long time.

CONSTITUTION: Calcium hypochlorite is mixed with an alkali metallic sulfate or an alkaline earth metallic sulfate and tableted.

When a slightly soluble sulfate such as calcium sulfate is used, calcium sulfate hinders the diffusion of water and hypochlorite ions, so the slow release of available chlorine is attained. When a relatively soluble sulfate such as sodium sulfate is used, calcium sulfate layers are produced on the surfaces of tablets, and they show an action of slowly releasing available chlorine. Since available chlorine is stably leached out from the tablets over a long time when the tablets are put in water, the tablets are used for various purposes such as disinfection of water in a swimming pool, purification of domestic waste water, sterilization of waste water in a purifier tank, and decoloration of industrial waste water.

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